

# ARCHITECTURAL BRONZE

THE ELLISON BRONZE CO.





*ORGANIZED IN 1911*

the Ellison Bronze Company, Inc., has continually been engaged in the manufacture of Architectural Bronze work and Special Hardware.

This thoroughly experienced organization offers personal supervision and expert engineering and manufacturing service on any products in this line.

The facilities include modeling and pattern room, foundry, press room, machine shop, welding room, assembly department, chasing room, polishing and plating department, all using the best and latest equipment.

THE ELLISON BALANCED DOOR was placed on the market in 1932 and is now generally accepted as a practical and valuable addition to high class building products and as the greatest contribution to the solution of the entrance door problem in many years. Details, specifications and latest list of installations will be gladly furnished upon request. Representatives in all principal cities.

## PRODUCTS

Ornamental Bronze, Aluminum, Nickel Silver, Stainless Steel and Monel Metal.

Entrance Doors

Bank Fixtures

Bronze Windows

Store Fronts

Mausoleum Equipment

Special Hardware

Elevator Fronts

Tablets and Signs

Ellison Balanced Doors

**ELLISON BRONZE COMPANY, INC.**

**J A M E S T O W N . N E W Y O R K**







## ELLISON BALANCED DOORS

DESIGNED FOR EASY OPENING AGAINST WIND PRESSURE AND AIR SUCTION

### The Principle of Operation

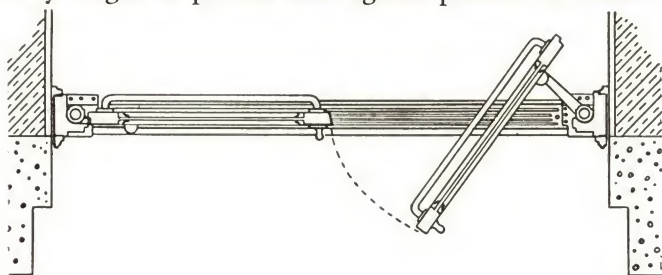
When the door is being opened, the pull handle edge of door swings outward *against* the wind and opposite edge swings inward *with* the wind and the entire door moves easily and quickly to one side of the door opening.

The surface of this door is subjected to the same wind pressure as the ordinary hinged type, but due to the fact that the two edges swing in opposite directions, the pressure on the swinging surface counterbalances the pressure on the outswinging surface.

Counterbalancing of the door makes necessary only a slight spring action in the closing device and door can be opened under any condition of weather with a minimum effort.

### Quick Closing Minimizes Heat Losses

Because of this balancing action, this door when released closes quickly, without slamming, and stays closed, preventing heat losses occasioned by the slow closing of ordinary hinged or pivoted door against pressure or suction.



### Facilitates Handling of Large Crowds

The easy opening and quick closing of this door permits an uninterrupted flow of traffic, in any wind and weather condition.

### Doors of Any Metal

These doors are the regular Ellison welded bronze, nickel silver or aluminum doors with extruded moulding and trim. Steel doors and jambs are made of 16-gauge chrome nickel steel or copper bearing steel with baked enamel. Doors are also available in wood construction with metal jambs, metal binding all around the edges, metal glass mouldings, kick plates and hardware same as for metal doors.

### Doors and Frames—Self Contained Unit

These doors are furnished by us complete as self-contained unit, including frames, mullions, trim, saddles, and all necessary hardware — door checks, pivots, door holders, locks, bolts, pulls, etc.

Special designs and sizes of doors can be made to the architect's details. Each unit is made to be built into the architectural treatment surrounding the doors. Other metal work, in connection with the entrance and vestibule, can be furnished and installed by others, although we are equipped to bid on any ornamental metal work.

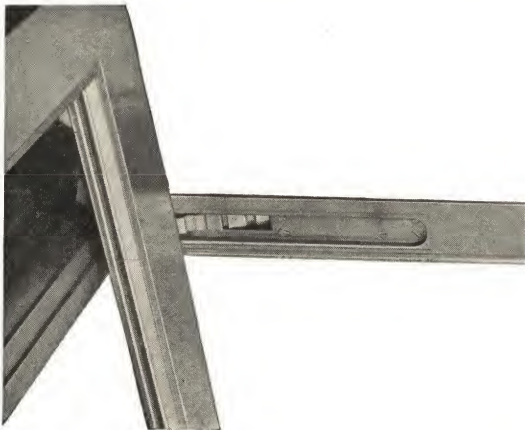


## OPERATING HARDWARE



*Double Door Installation*

*Free head room without projecting check brackets or door holders. The unit illustrated requires no saddle*



*View looking at soffit of head jamb showing location of Gravity Holding Device*

### The Pivot Arms

The operating hardware consists of top and bottom arms connected by a substantial vertical shaft inside the jamb; both ends of shaft are on ball bearings. The lower arm carries weight of the door and is connected with bottom pivot which also contains a spring bumper to prevent door from striking the jamb when opened. Upper arm acts as a guide and is connected with the door check.

### Door Check

Door check is of the liquid type operated with rack and pinion, adjustable for various speeds; solid cast bronze material; ball bearing guide roller.

### Closer Spring

Closer spring is located inside of the vertical shaft connecting top and bottom arm and tension is adjusted with a simple device located on saddle.

### Saddle

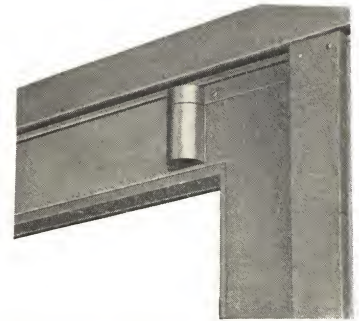
Saddles rest on top of finished floor, no cutting required, except for fastening bolts. Saddles regularly furnished in cast bronze, or abrasive materials.

### Door Holder

Doors can be held in open position by a simple and easily operated gravity device located in the head jamb.

### Other Hardware

Any standard locks, flush bolts, handles and push bars, to match other hardware in the building, can be used with these doors and are furnished and installed by us. Large choice of pulls and push bar designs available in stock patterns or we can furnish special work made to detail.



*Top Pivot and Concealed Door Closer*



*Concealed Bumper and Pivot in Bottom Rail*



*Closer Spring Adjustment in Saddle with cover plate removed*

## SPECIFICATIONS

Furnish and install, where shown on plans, Balanced Doors as manufactured by Ellison Bronze Co., Inc., James town, N. Y. Each entrance to be an integral unit and to consist of the doors, frames, threshold and all hardware. (Also transom sash and trim where required.)

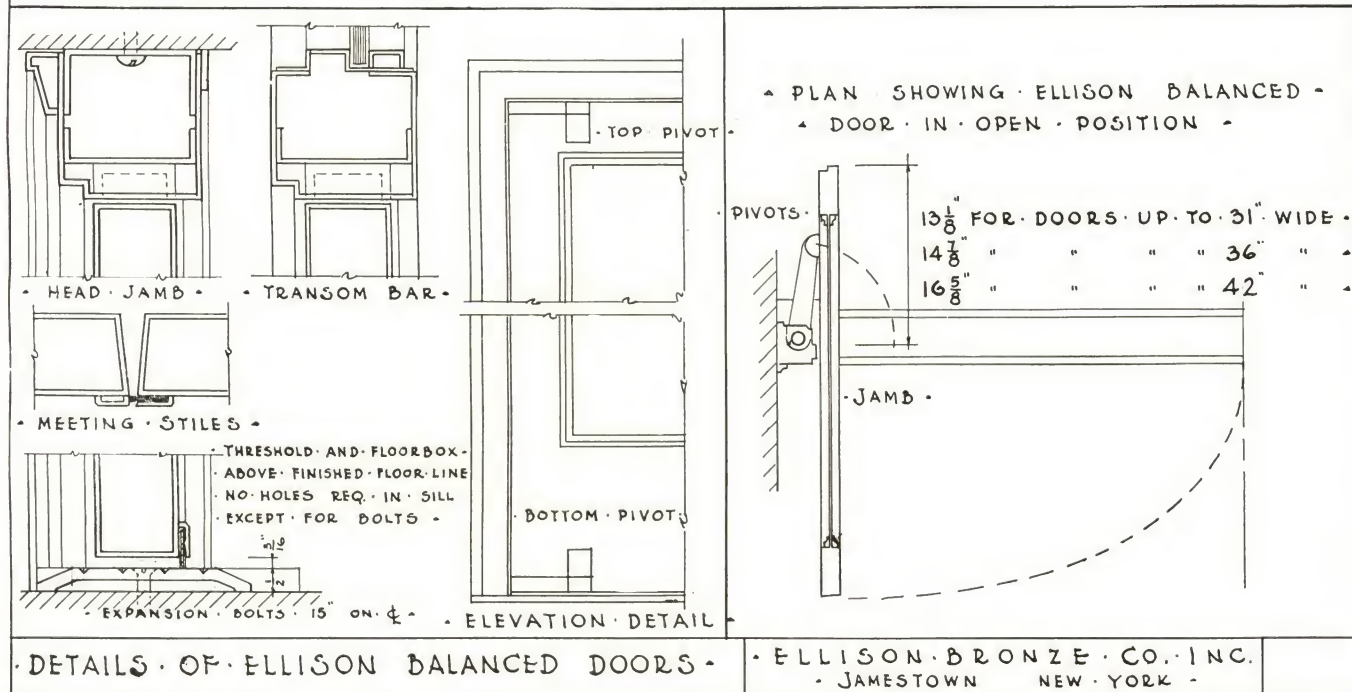
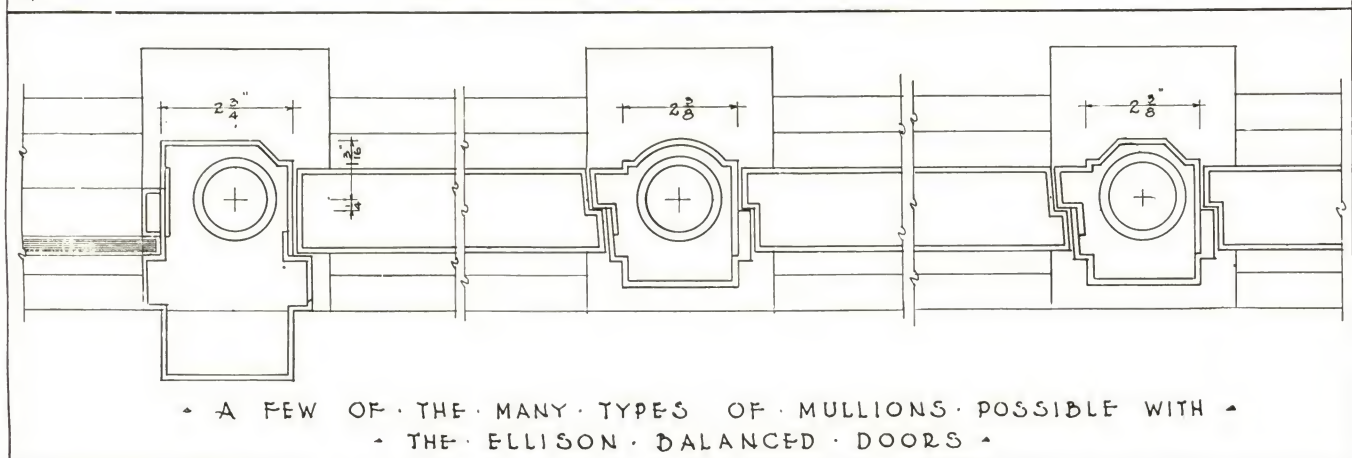
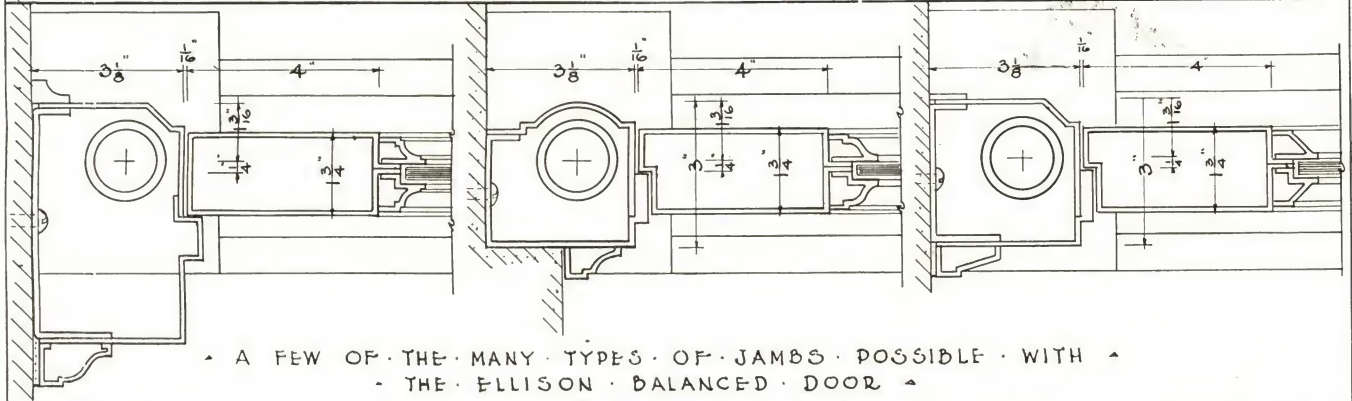
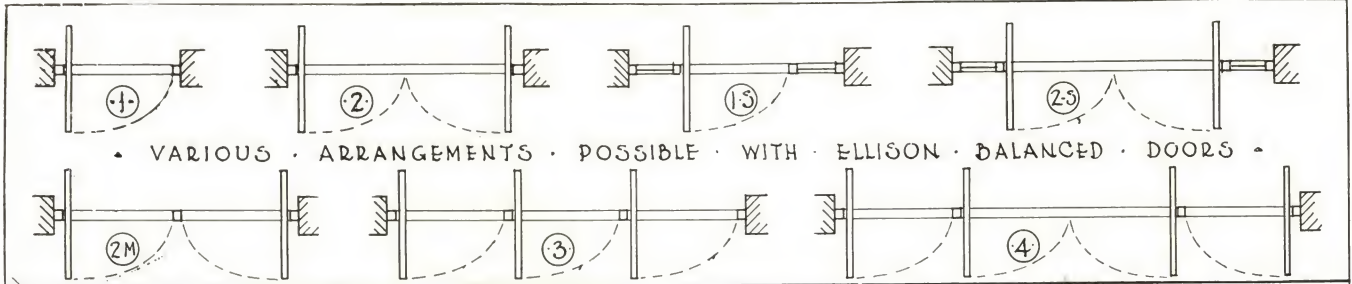
Operating mechanism to include ball bearing pivots, liquid door checks, concealed in upper stile of door, and hold-open device, concealed in head jambs. The operation

to be such that part of the door swings out and part of the door swings in, thereby equalizing the wind pressure and permitting uniform ease in operating the doors at all times.

Provide cylinder deadlocks on each single door and on one leaf of double doors, other leaf to have flush bolts top and bottom. Pulls, push plates or push bars to be cast bronze of design as indicated or selected.



# ELLISON BRONZE





# ELLISON BALANCED



*Southern California Gas Company, Los Angeles, Cal.*



*Sulka Store, 661 Fifth Avenue, New York City*



*Erie County Savings Bank, Buffalo, New York.  
Green & James, Architects*



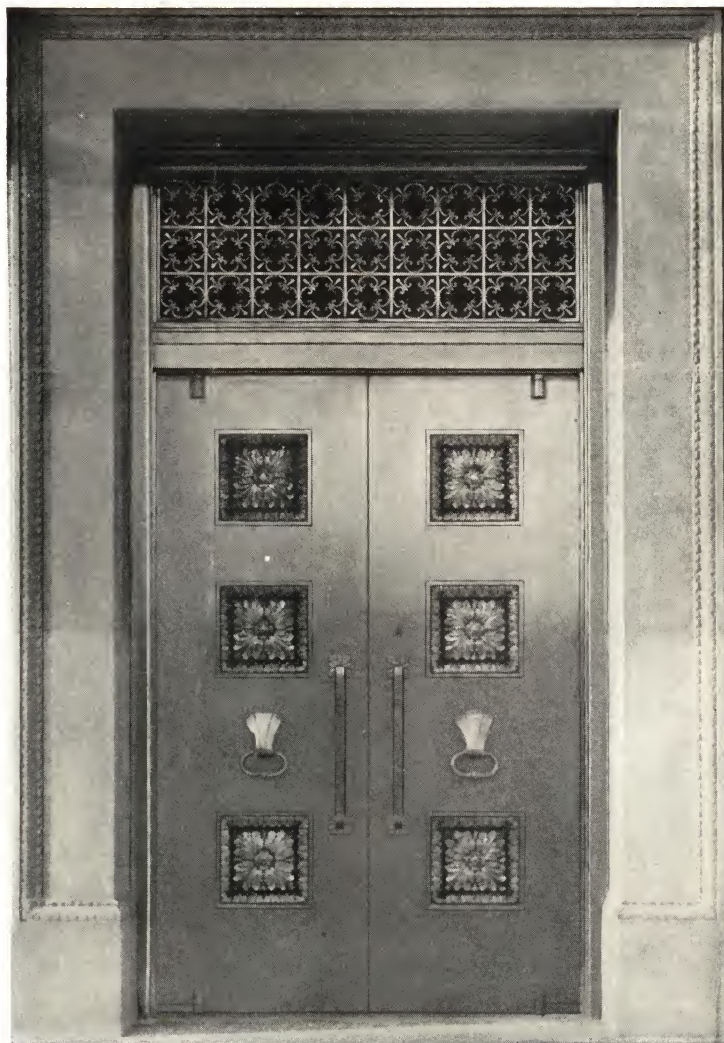
*Boston Automatic Fire Alarm Company, Boston, Mass.  
Blackall, Clapp, Whittemore & Clark, Architects*



# DOORS



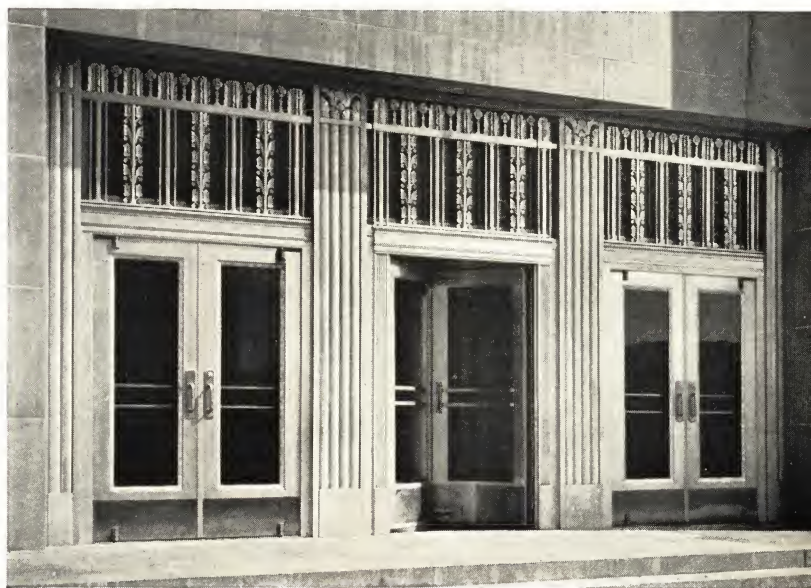
*Public National Bank, New York City*



*Municipal Building, Longview, Texas.  
Zimmerman & Morgan, Architects*



*Above—City Hall, Kansas City, Missouri.  
Wight & Wight, Architects*  
*At Left—Bead Chain Manufacturing Company, Bridgeport, Conn.  
Walter John Skinner, Architect*





# ELLISON DISTINCTIVE ENTRANCES

*St. Peter's Church, Albany, N. Y.  
Marcus T. Reynolds, Architect*



*Above—Memorial to the Women of the World War,  
Washington, D.C.  
Trowbridge & Livingston, Architects*

*At Right—Scottish Rite Temple, Kansas City, Mo.  
Keene & Simpson, Architects*

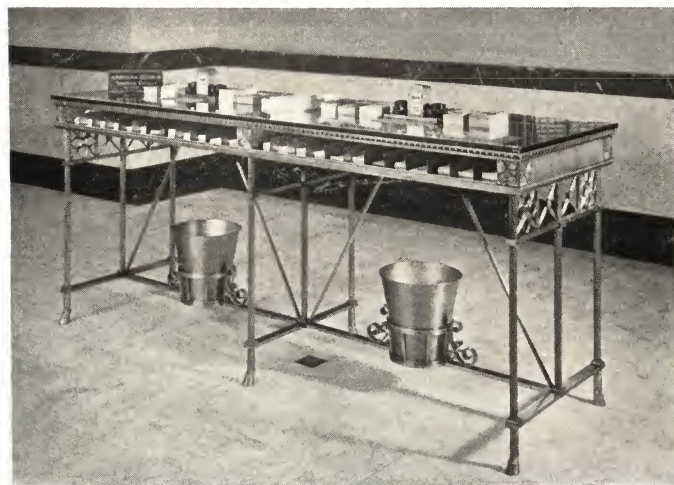






*Bronze Banking Screen*

# ELLISON BANK INTERIORS



*Bronze Check Desk*



*Bronze Vestibule*



*Bronze Folding Gates*



*Banking Screen Detail*



*Bronze Wicket*



# ELLISON MAUSOLEUMS and TABLETS



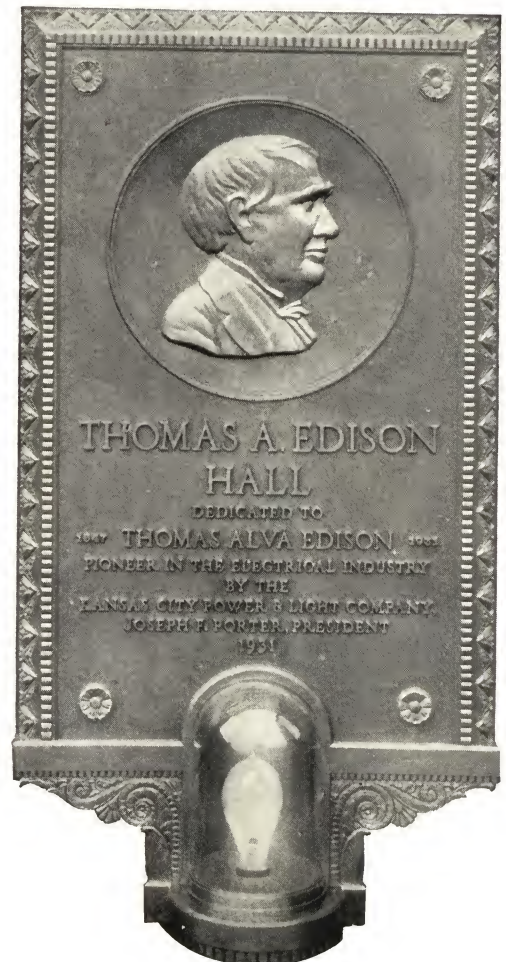
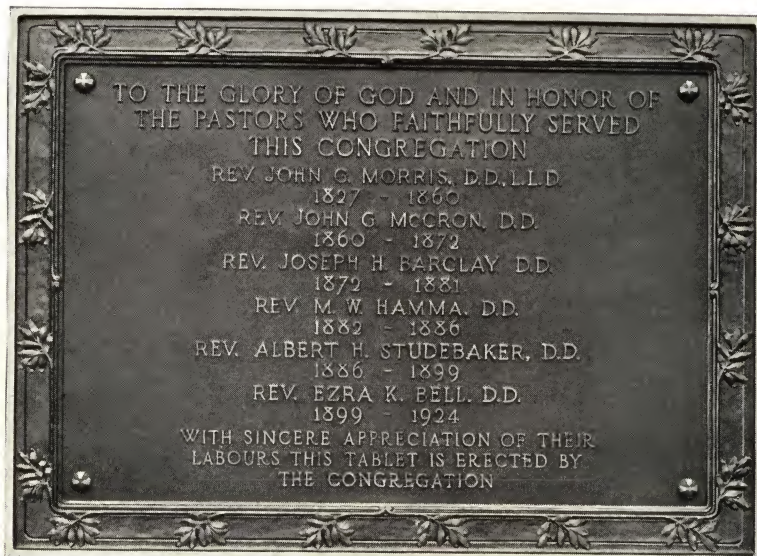
*Design No. 37-24*



*Design No. 37-21*

Ellison Mausoleum Doors meet the most exacting requirements and are designed to last forever being made of the best materials and with the highest grade of workmanship. Each unit is equipped with solid bronze hardware and furnished complete with glass and all fastenings for installation. Send for catalog "Bronze Doors and Mausoleum Equipment" illustrating many stock designs with details and specifications.

A large variety of Memorial Tablets, Signs and Placques is illustrated in our booklet, "Tributes in Bronze, the Metal Eternal," which we will gladly send upon request.





# ELLISON SPECIAL HARDWARE

We develop and produce solid bronze hardware for leading manufacturers of metal windows, metal doors and metal furniture.

Consult our services for special design push bars and pulls for entrance and vestibule doors made to meet individual requirements. Send for detail drawings of stock designs available in all metals and finishes.

All "Finish Hardware" and operating mechanism for Ellison Balanced Doors made in our own Hardware Department.

Push Bars and Pulls

Kickplates and Push Plates

Window Operators

Window Fasteners

Transom Operators

Pivots and Hinges

Knobs and Lever Handles

Drawer Pulls and Label Holders

Foot Castings

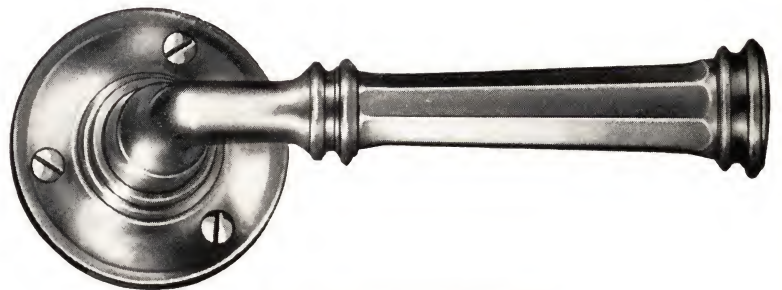
Saddles and Sills



*Wrought Bronze Pull*



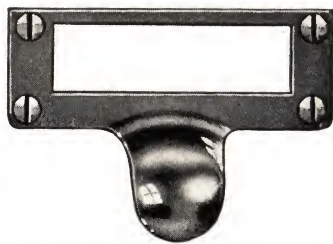
*Wrought Bronze Pull*



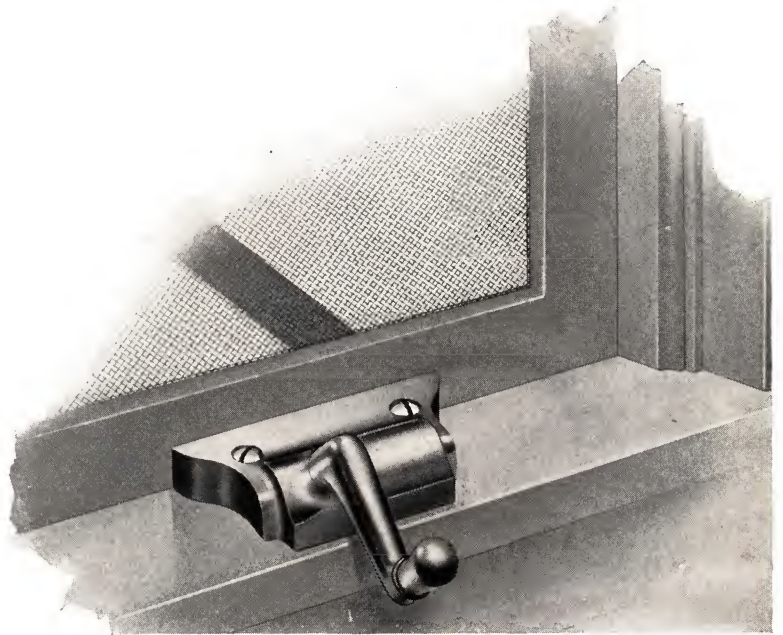
*Cast Bronze Lever Handle*



*Cast Bronze Label Holder*



*Cast Bronze Pull and Label Holder*



*Casement Window Operator*



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